

THE UNIVERD SHAYES OF AVIERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME:

Seminis Hegetable Seeds, Inc.

There has been presented to the

Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED DISTINCT VARIETY OF SEXUALLY REPRODUCED, OR TUBER PROPAGATED PLANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE THERETO IS FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

NOW, THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS THEIRS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF TWENTY STARS FROM THE DATE OF THIS GRANT, SUBJECT TO THE PAYMENT OF THE REQUIRED FEES AND PERIODIC RAPLESISHMENT OF VIABLE BASIC SEED OF THE VARIETY IN A PUBLIC REPOSITIORY AS PROVIDED BY LAW, THE WHIT TO EXCLUDE OTHERS FROM SELLING THE VARIETY, OR OFFERING IT FOR SALE, OR REPRODUCING IT, OR SETING IT, OR EXPORTING IT, OR CONDITIONING IT FOR PROPAGATION, OR STOCKING IT FOR ANY OF THE PURPOSES, OR USING IT IN PRODUCING A HYBRID OR DIFFERENT VARIETY THEREFROM, TO THE EXTENT BY THE PLANT VARIETY PROTECTION ACT. (84 STAT. 1542, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

LETTUCE

'Rhino'

In Testimon Macrest, I have hereunto set my hand and caused the seal of the Hunt Buriety Frotestion Office to be affixed at the City of Washington, D.C. this eleventh day of December, in the year two thousand and six.

Allast

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Commissioner Plant Variety Protection Office Agricultural Marketing Service ry of Agriculturo

SIGNATURE OF OWNER		SIGNATURE OF OWNER				
Slaven Chaldin						
NAME (Please print or type) Sharen Chaffin		NAME (Please print or type)				
CAPACITY OR TITLE IP Specialist	DATE	CAPACITY OR TITLE	DATE			

ST-470 (02-10-2003) designed by the Plant Variety Protection Office using Word 2000. Replaces former versions of ST-470, which are obsolete.

(See reverse for instructions and information collection burden statement

INSTRUCTIONS

GENERAL: To be effectively filed with the Plant Variety Protection Office (PVPO), ALL of the following items must be received in the PVPO: (1) Completed application form signed by the owner; (2) completed exhibits A, B, C, E; (3) for a seed reproduced variety at least 2,500 viable untreated seeds, for a hybrid variety at least 2,500 untreated seeds of each line necessary to reproduce the variety, or for tuber reproduced varieties verification that a viable (in the sense that it will reproduce an entire plant) tissue culture will be deposited and maintained in an approved public repository; (4) check drawn on a U.S. bank for \$3,652 (\$432 filling fee and \$3,220 examination fee), payable to "Treasurer of the United States" (See Section 97.6 of the Regulations and Rules of Practice.) Partial applications will be held in the PVPO for not more than 90 days, then returned to the applicant as unfiled. Mail application and other requirements to Plant Variety Protection Office, AMS, USDA, Room 401, NAL Building, 10301 Baltimore Avenue, Beltsville, MD 20705-2351. Retain one copy for your files. All items on the face of the application are self explanatory unless noted below. Corrections on the application form and exhibits must be initiated and dated. DO NOT use masking materials to make corrections. If a certificate is allowed, you will be requested to send a check payable to "Treasurer of the United States" in the amount of \$432 for issuance of the certificate. Certificates will be issued to owner, not licensee or agent.

> **Plant Variety Protection Office** Telephone: (301) 504-5518 FAX: (301) 504-5291

Homepage: http://www.ams.usda.gov/science/pvpo/pvp.htm

ITEM

18a. Give:

- (1) the genealogy, including public and commercial varieties, lines, or clones used, and the breeding method;
- (2) the details of subsequent stages of selection and multiplication;
- (3) evidence of uniformity and stability; and
- (4) the type and frequency of variants during reproduction and multiplication and state how these variants may be identified
- 18b. Give a summary of the variety's distinctness. Clearly state how this application variety may be distinguished from all other varieties in the same crop. If the new variety is most similar to one variety or a group of related varieties:
 - (1) identify these varieties and state all differences objectively;
 - (2) attach statistical data for characters expressed numerically and demonstrate that these are clear differences; and
 - (3) submit, if helpful, seed and plant specimens or photographs (prints) of seed and plant comparisons which clearly indicate distinctness.
- 18c. Exhibit C forms are available from the PVPO Office for most crops; specify crop kind. Fill in Exhibit C (Objective Description of Variety) form as completely as possible to describe your variety.
- 18d. Optional additional characteristics and/or photographs. Describe any additional characteristics that cannot be accurately conveyed in Exhibit C. Use comparative varieties as is necessary to reveal more accurately the characteristics that are difficult to describe, such as plant habit, plant color, disease resistance, etc.
- 18e. Section 52(5) of the Act requires applicants to furnish a statement of the basis of the applicant's ownership. An Exhibit E form is available from the PVPO.
- 19. If "Yes" is specified (seed of this variety be sold by variety name only, as a class of certified seed), the applicant MAY NOT reverse this affirmative decision after the variety has been sold and so labeled, the decision published, or the certificate issued. However, if "No" has been specified, the applicant may change the choice. (See Regulations and Rules of Practice, Section 97.103).
- 22. See Sections 41, 42, and 43 of the Act and Section 97.5 of the regulations for eligibility requirements.
- 23. See Section 55 of the Act for instructions on claiming the benefit of an earlier filing date.
- 21. CONTINUED FROM FRONT (Please provide a statement as to the limitation and sequence of generations that may be certified.)
- 22. CONTINUED FROM FRONT (Please provide the date of first sale, disposition, transfer, or use for each country and the circumstances, if the variety (including any harvested material) or a hybrid produced from this variety has been sold, disposed of, transferred, or used in the U.S. or other countries.)
- 23. CONTINUED FROM FRONT (Please give the country, date of filing or issuance, and assigned reference number, if the variety or any component of the variety is protected by intellectual property right (Plant Breeder's Right or Patent).)

NOTES: It is the responsibility of the applicant/owner to keep the PVPO informed of any changes of address or change of ownership or assignment or owner's representative during the life of the application/certificate. There is no charge for filing a change of address. The fee for filing a change of ownership or assignment or any modification of owner's name is specified in Section 97.175 of the regulations. (See Section 101 of the Act, and Sections 97.130, 97.131, 97.175(h) of the Regulations and Rules of Practice.)

To avoid conflict with other variety names in use, the applicant must check the appropriate recognized authority. For example, for agricultural and vegetable crops, contact: Seed Branch, AMS, USDA, Room 213, Building 306, Beltsville Agricultural Research Center--East, Beltsville, MD 20705. Telephone: (301) 504-8089. http://www.ams.usda.gov/lsg/seed.htm

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0581-0055. The time required to complete this information collection is estimated to average 3.0 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, gender, religion, age, disability, sexual orientation, marital or family status, political beliefs, parental status, or protected genetic information. (Not all prohibited bases apply to all programs.) Persons with disabilities who require alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact USDA's TARGET Center at 202-720-2600 (voice and TDD).

To file a complaint of discrimination, write USDA, Director, Office of Civil Rights, Room 326-W, Whitten Building, 14th and Independence Avenue, SW, Washington, DC 20250-9410 or call 202-720-5964 (voice and TDD). USDA is an equal opportunity provider and employs
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Rhino

Exhibit A. Origin and Breeding History of Lettuce SVR 0524

Pedigree of SVR 0524

Female cv. AnnieXcv	<i>Male</i> ∕. Tiber 1997
↓ F ₁ ↓	1997
¥ F ₂ ↓	1998 5 single plant selections
F ₃ .	1999 13 single plant selections
F ₄	2000 24 single plant selections
F ₅	2001 29 single plant selections
F ₆	2002 10 single plant selections
SVR 0524 F ₇	2003 trials and seed increase
F ₈	2004 commercial trials and seed increase

SVR 0524 originated in 1997 with the cross cv. Annie by cv. Tiber. Single plant selections were made in subsequent years in the areas of intended commercialization. By F_6 a group of 10 plants were judged uniform and bulked for trialing and seed increase. An F_7 mass was trialed during 2003 and a seed increase was produced in the San Joaquin Valley the same year.

The breeding work was carried out by Dr. William Waycott at the Seminis Vegetable Seed's Research Station at Arroyo Grande, California. Replicated field trials were conducted in production areas in the Desert Southwest of the North America during 2003 and 2004.

The breeding method employed was pedigree selection, using both single plant selection and mass selection practices. The selection criteria for SVR 0524 were to establish a cultivar with increased uniformity, improved heading ability, increased size and weight, when compared to the most similar variety, cv. Desert Spring.

In trials of cv. Sure Shot during the last three years covering generations F_8 to F_{10} , we have seen neither genetic variants nor off-types in more than 5,000 plants, indicating that this variety is genetically uniform and stable.

RAD 9/29/06

Exhibit B. Novelty Statement of Lettuce SVR 0524

SVR 0524 is described as a vigorous crisphead lettuce cultivar adapted to the Desert Southwest of North America and the San Joaquin Valley of California. Its optimum sowing period is from 25 November to 15 December in Western Arizona and Southern California and from 25 November to 30 December in the San Joaquin Valley of California. SVR 0524 was selected for improved uniformity and performance, and increased head size and weight, compared to the currently commercial cultivars grown during these production periods.

Phenotypically, SVR 0524 is distinct from its most similar commercial cultivar, cv. Desert Spring. In field tests in 2003 and 2004, SVR 0524 was larger in size (plant diameter 50.75 cm vs. 48.0 cm and head diameter 18.4 cm vs. 16.75 cm) and heavier in weight (1024.5 g vs. 837 g) than cv. Desert Spring, had a more appealing appearance (smoother bottom appearance with less pronounced ribs, as measured by rib thickness) (rib thickness 11.0 mm vs. 16.5 mm), and a much improved uniformity of heading (Table 1).

In replicated field trials, SVR 0524 consistently exhibited more plants with rounder, firmer heads, while heads of cv. Desert Spring exhibited less uniformity of heading with several plants exhibiting soft or misshapen heads.

The data presented here are statistically different at the 95% confidence level, exhibiting a range of means for rib thickness 10.02 to 11.48 for SVR 0524 and from 15.19 to 17.31 for cv. Desert Spring, of means for plant diameter from 50.65 to 50.85 for SVR 0524 and from 47.82 to 48.23 for cv. Desert Spring, of means for head diameter from 18.31 to 18.44 for SVR 0524 and from 16.66 to 16.85 for cv. Desert Spring, and of means for head weight from 1020.89 to 1027.61 for SVR 0524 and from 833.14 to 840.87 for cv. Desert Spring, using the 0.95 probability of generating confidence intervals (CI) that contains the means.

Table 1. Evaluation of Rhino (SVR 0524) and the most similar cultivar, cv. Desert Spring, for several important characters.

			Bottom	· i		-
Trial No	Cultivar	Rep No.	Kib thick. ness ^a	Plant Diam. ^b	Head Diam.°	Head Weight ^d
Trial 1: Evaluated	SVR 0524:	Rep. 1 Rep. 2	10±0.2 11±0.3	51.4±0.4 51.6±0.4	18.2±0.2 19.0±0.3	1056±15.5 1093±15.0
io march zou4 Yuma, AZ	104	Average:	11±0.3	51.5±0.4	18.6±0.3	1075±15.3
	cv. Desert Spring: Rep. 1 Rep. 2	Rep. 1 Rep. 2	15±0.5 16±0.3	49.5±0.8 48.9±0.9	17.9±0.3 17.3±0.5	867±17.5 891±16.8
		Average:	16±0.4	49.2±0.9	17.6±0.4	879±17.2
Trial 2: Evaluated	SVR 0524:	Rep. 1 Ren. 2	10±0.4	50.4±0.5	18.1±0.4 18.2±0.3	986±14.3 062±15.2
25 April 2006	. 9	175p. 2	+.0.7.7	49.0±0.5	10.Z±0.3	80ZI 13.Z
Huron, CA		Average:	11±0.4	50.0±0.5	18.2±0.4	974±14.8
	cv. Desert Spring: Rep. 1 Rep. 2	Rep. 1 Rep. 2	17±0.5 17±0.6	46.8±1.1 46.9±0.9	15.3±0.5 16.5±0.4	777±15.8 813±15.9
		Average:	17±0.6	46.8±1.0	15.9±0.5	795±15.9
Range of va	Range of variation among means of statistically SVR 0524 cv. Desert Spring	is of statistic		differences at the 95% level usi 50.65 to 50.85 18.31 to 18.44 47.82 to 48.23 16.66 to 16.85	e 95% level usir 18.31 to 18.44 16.66 to 16.85	significant differences at the 95% level using the confidence interval [CI = mean ± (SDXSE)]: .02 to 11.48 50.65 to 50.85 18.31 to 18.44 1020.89 to 1027.61 .19 to 17.31 47.82 to 48.23 16.66 to 16.85 833.14 to 840.87

^a Mean rib thickness measured 50 cm from the point of attachment to the stem using two sowing dates of 20 plants per replication in mm ± standard deviation.

^b Mean plant diameter using two sowing dates of 20 plants per replication in cm \pm standard deviation. ^c Mean head diameter using two sowing dates of 20 plants per replication in cm \pm standard deviation. ^d Mean head weight using two sowing dates of 20 plants per replication in grams \pm standard deviation.

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U. S. DEPARTMENT OF AGRICULTURE AGRICULTURAL MARKETING SERVICE SCIENCE AND TECHNOLOGY PLANT VARIETY PROTECTION OFFICE BELTSVILLE, MD 20705 EXHIBIT C (Lettuce)

OBJECTIVE DESCRIPTION OF VARIETY

LETIOCE (Lactuca Sativa L.,
NAME (Maria Control	FOR OFFICIAL USE ONLY
Seminis Vegetable Seeds, Inc.	PVPO NUMBER 200400251 Y
ADDR 2700 Camino del Sol	VARIETY NAME 'Q\ '
Oxnard, CA 93030-7967	VARIETY NAME Khino 9
	EXPERIMENTAL DESIGNATION SURO524
Place the appropriate number that describes the varietal character in the boxes below or 9 or less. Measured data should be the mean of an appropriate number (at least 2 be used to determine plant colors.	v. Place a zero in the first box (eg. 0 9 9 or 0 9) when number is either 99 or less 0) of well spaced plants. Royal Horticultural Society or any recognized color standard may
The location of the test area is: ARIZONA, CALIFORNIA	Color System Used: ROYAL HORT. SOC.
SPECIFIC VARIETIES USED FOR COMPARISON AS CHECK V	ARIETIES IN THIS APPLICATION: Use standard regional check varieties
which are adapted to your area. One of the comparison varieties must	t be the most similar variety used in Exhibit B.
Application Variety (a1.) SUR 0524	Most Similar Variety (c1.) DESERT SPRING
Standard Regional Check Variety (c2.) VANGUARD	andre de la companya de la companya Transportation
1. PLANT TYPE: (See list of suggested check varieties page 4.)	
01= Cutting/Leaf 04= Cos or Romaine	07= Salinas Group 10= Latin
02= Butterhead 05= Great Lakes Group 03= Bibb 06= Vanguard Group	0 08= Eastern (Ithaca) Group 11= OTHER (Specify below): 09= Stem
(a1.) O6	(c1.) 06 (c2.) 06
2. SEED:	The part of the second of
2. SEED:	
1 4 1	LIGHT DORMANCY (a1.) HEAT DORMANCY 1= Light Required 1= Susceptible
	2= Light Not Required (c1.) 2= Not Susceptible
(c2.) (c2.) (c2.)	(c2.)
3. COTYLEDON TO FOURTH LEAF STAGE: NOTE: Provide a	color photograph or photocopy of the fourth leaf from 20 day old seedling grown under
optimal condition	
SHAPE OF COTYLEDONS: 1=Broad 2=Intern	nediate 3= Spatulate
(a1.)	(c1.) Q (c2.) Q

Cotyledon to Fourth Leaf S	tage (Continued)				in die de la company		EXHIBIT	: (Lettuce) }	rage 2 of 8
SHAPE OF FOURTH LEA			e de la production de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la compa					er der eine Stadens Geboorte geboorte George	er of this and Programme
garente di composito di consultati Ligari di regioni di consultati di consultati Ligari di consultati di c	entil og den bledet for Det en en en en en et en et	(a1.)	4	(c1.)	4	(c2.)	4		
			and the second second				Λ		ጥ
								Ser In	Sylves.
				٠					
	2.		3.		4,	٠.	5.		A second
LENGTH/WIDTH INDEX	OF FOURTH LEA	.F: L/V	V x 10	·	······				
en er en		(a1.)	16	(c1.)	18	(c2.)	21		
APICAL MARGIN:	1= Entire		4= Moderately l		7= Lo				
 Salah Berlin Berlin Barretting 	2= Crenate/Gnaw 3= Finely Dentate		5= Coarsely De 6= Incised	ntate	8= O]	HER (Spe	ecify belov	v): _	
	taytasi se	(a1.)	3	(c1.)	3	(c2.)	3		Burra Fati Burra Fati Burra Maler
BASAL MARGIN: (U	se the options for A	pical M	argin above)			*1.			en e
		(a1.)	4	(c1.)	4	(c2.)	4		
UNDULATION:	1= Flat	11.0	2= Slight	1,541.	3= M o	dium	.e- 1446 x	4= Marked	
A.B. Armania A.B. Armania		(a1.)	2	(c1.)	2	(c2.)	a		
GREEN COLOR:	1=Yellow Green 2= Light green		3= Medium 4= Dark Gr			ue Green	· · · · · · · · · · · · · · · · · · ·	7= Grey Gr	een
	er er Frankligere. G			een 70	0= 211	ver Green		And the second	
		(a1.)	<u>3</u>	(cl.)	3	(c2.)	3		
ANTHOCYANIN:		Odj	My Akida	Sn		in the second			
DISTRIBUTION:	1= Absent 2= Margin Only		3= Spotted 4= Throughout		5= 07	HER (Spe	ecify belo	₩):	
		(a1.)		(c1.)	T Top	(c2.)			
CONCENTRATION:	1= Light		2= Moderate	**************	3= Int	ense	*********	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	*
		(a1.)		(c1.)		(c2.)			
		4 4 4							

Exhibit C (Lettuce) Page 3 of 8

•	Cotyledon to Fourth Lea	of Stage (Continued)						exillore	<u> </u>	<u>e/1 age 3 01 6</u>	٠. " .
	ROLLING:	1= Absent		2= Present						1. · · · ·	2.4
			(a1.)		(c1.)		(c2.)				
	CUPPING:	1= Uncupped		2= Slight	· - , ,,,,	3= Ma	rkedly				
			(a1.)		(c1.)		(c2.)	1			
	REFLEXING:	1= None		2= Apical Marg	in	3= La	teral Margi	ns			
			(a1.)		(c1.)	1	(c2.)				
١.	MATURE LEAVES (Ob.	serve Harvest-Mature Oute	r Leaves)		or photo of	a harvest-matu	re leaf which	accurately	shows colo	r and margin	-
	MARGIN:			characteristics.	A			٠			
	INCISION DEPTH (deepest penetration of the margin)				2=	Moderate (Vanguard)				
			(a1.)	2	(c1.)	2	(c2.)	2			
	INDENTATION:										; ;
	REFLEXING: 1= None 2= Apical Margin 3= Lateral Margins (a1.) (c1.) (c2.) (MATURE LEAVES (Observe Harvest-Mature Outer Leaves) NOTE: Provide color photo of a harvest-mature leaf which accurately shows color and margin characteristics. MARGIN: INCISION DEPTH: 1=Absent/Shallow (Dark Green Boston) 2= Moderate (Vanguard) (deepest penetration of 3= Deep (Great Lakes 659) the margin) (a1.) (2) (c1.) (2) (c2.) (2)										
		. *	(a1.)	4	(c1.)	4	(c2.)	4	٠		
	UNDULATIONS O APICAL MARGIN			Dark Green Bostor kes 659)	i) 2=	= Moderate (Vanguard)	· · · · · · · · · · · · · · · · · · ·	-1010=2148018		
			(a1.)	2	(c1.)	7	(c2.)	2			
	GREEN COLOR:	1=Very Lig 2= Light gr				een (Great L (Vanguard)		5= Ve HER (Sp	ry Dark (becify): _	ìreen	_
			(a1.)	3	(c1.)	3	(c2.)	3	, Ar		
	ANTHOCYANIN:										
	DISTRIBUTION:	1=Absent 2= Margin Onl	y (Big Bo	3= Spotted oston) 4= Throug		Cream Butter ze Head)	;) 5= OT	HER (S _I	ecify bel	ow):	
			(a1.)		(c1.)		(c2.)				
	CONCENTRATIO	N: 1= Light (Iceb	erg)	2= Moderate (I	Prize Hea	d) 3= I	ntense (Rub	y)	*************		
			(a1.)		(c1.)	-	(c2.)				

. Mature Leaves (Continued))	•			Y .		
SIZE:	1= Small	2= Medium		3= 1	arge		• •
	(a1.)	3	(c1.)	3	(c2.)	3	
GLOSSINESS:	1= Dull (Vanguard)	2= Moderate (Sa	dinas)	3= (Glossy (Gre	at Lakes)	en en
	(a1.)		(c1.)		(c2.)		
BLISTERING:	1= Absent/Slight (Salinas)	2=Moderate (Vanguard)			Strong ze Head)		
	(a1.)	2	(c1.)	2	(c2.)	2	
LEAF THICKNESS:	1= Thin	2= Intermediate		3= '	Thick		
	(a1.)	3	(c1.)	3	(c2.)	3	
TRICHOMES:	1= Absent (Smooth)	2= Present (Spir	1у)	: -	filit eest		
	(a1.)	ī	(c1.)	I	(c2.)		
. PLANT				-	· <u></u>		
SPREAD OF FRAME LE HEAD DIAMETER: (ma	AVES: (a1.)	Leaf)	(c1.)	49	cm	(c2.)	45cm
	(a1.)		(c1.)	17	cm	(c2.)	14 cm
HEAD SHAPE:	1= Flattened 2= Slightly Flattened	3= Spherical 4= Elongate			Non-Headin OTHER (Sp		
· · · · · · · · · · · · · · · · · · ·	(a1.)	3	(c1.)	3	(c2.)	3	
HEAD SIZE CLASS:	1= Small	2= Medium	j 43	3=	Large	·	
	(a1.)	: 3 97 NM	(c1.)	3	(c2.)	3	
HEAD PER CARTON:			, .	1	 		······································
	(a1.)	24	(180)	1.) 2	4	(c2.)	24
HEAD WEIGHT:							
	(a1.)	086g (c	1.)	85	6 g	(c2.)	16 7 7 g
HEAD FIRMNESS:	1=Loose	2= Moderate		3=	Firm .		4= Very Firm
	(a1.)		(c1.)	3	(c2.)	3	

5.	BUTT					······································	Exhibit ((Lettuce) Page 5 of 8	
	SHAPE:	1= Slightly Concave		2= Flat	3=	= Rounded			
			(a1.)			(c2.)	<u>a</u>		
	·			[3]	(c1.) [3]		3	· ·	
	MIDRIB:	1= Flattened (Salinas)	2= Moderately I	Raised 3	= Prominently l	Raised (G	reat Lakes 659)	
			(a1.)	2	(c1.)	(c2.)	2	*	
7.	CORE								
	DIAMETER AT BASE	OF HEAD:							
			(a1.)	33mm	(c1.)	30mm	(c2.)	30mm	
	RATIO OF HEAD DIA	METER CORE NIA	ATOPTA						-
	RATIO OF HEAD DIA	WEIERCORE DIA			_				
		e de la companya de l	(a1.)	5-8	(c1.)	5 7	(c2.)	147	
	CORE HEIGHT FROM	M BASE OF HEAD T	O APEX	:					-
	,		(a1.)	42mm	(c1.) [47mm	(c2.)	36 mm	
8.	BOLTING (Give First Wat	ter Date: 28 APRIL	02 INC	OTE: First Water D	ate is the date seed fi	irst receives adequa	te moisture	to germinate. This can and	-
			_	often does ec	ual the planting date).		<u>.</u>	
	NUMBER OF DAYS F	ROM FIRST WATE	R DATE	TO SEED STAI	LK EMERGEN	CE (summer c	onditions):	
			(a1.)	75	(c1.)	710	(c2.)	G4	
	BOLTING CLASS:	1= Very Slow 2= Slow		3= Medium 4= Rapid	•	5= Very Rapid			-
			(a1.)	3	(c1.) 3	(c2.)	3	en er	
	HEIGHT OF MATUR	E SEED STALK:							
		terresponding	(a1.)	1170	m (c1.)	1220	m (c2.)	130cm	
	SPREAD OF BOLTER	R PLANT: (at widest	point)			· <u></u>			
		ele Santa de la composición	(a1.)	64cm	(c1.)	65cm	(c2.)	65cm	
	BOLTER LEAVES:	1≕ Straight		2= Curved					-
	· · · · · · · · · · · · · · · · · · ·	· ·	(a1.)		(c1.)	(c2.)	1		
	MARGIN:	1= Entire	************	2= Dentate	*****	***************************************	**********		•••
			(a1.)		(c1.)	(c2.)	2		

8. Bolting (Co.	rtinued)								-	٠.		
COLOR:			1=	Light Gr	een	2=	Mediun	a Green			3= Dark Gre	en
		÷	(a1.)	3		(c1.)	3	(c2.)	3		
BOLTER H	ABIT:	<u> </u>										
TERM	NAL INFLORES	CENCE:		1= Abs	ent		2=	= Presen	t			
			(a1.)	2		(c1.)	2	. (c2.) .	a		
LATER	AL SHOOTS:			l= Abs	ent	*********	2=	Presen	t	************		**************
			(a1.)	2		(c1.)	2	(c2.)	2		-1
BASAI	SIDE SHOOTS:			1= Abs	ent		2=	= Presen	t		***************************************	***********
			(a1.)	I		(c1.)		(c2.)			
9. MATURIT		vest-mature head j lete this section fo	formation) or at least one	season.							RAP	97
SEASON	APPLICATION OF THE PROPERTY OF	ON VARIETY f days	MOST S	IMILAR V	ARIETY	STAP	NDARD R	EGIONA RIETY of days	L CHE	CK		
-Spring.		S.2			Τ	-	110.	or days	T		Winte). ~
Summer											VOVVIC	~1
Fall						-			1			
-Winter-		0 5	- 1	0	7			9	1 6		Sorir	r CP
Spring: Summer:	1 DECC	3, 9 D	ECC)3 <u>, </u>	YUM	A, <i>F</i>	12					
Fall:							·					
Winter:					·		•					
1. First Wate	er Date to Harvest	~					٠					
10. ADAPTAT	ION:					 .						
PRIMA	RY REGIONS O	F ADAPTATI	ON (tested	and proven	adapted):	(0= No	ot Tested	. 1	l= Not	Adapt		Adapted)
2 Southwe	est (CA and/or AZ	desert)	∇	est Coast	MIC IN),		0 1	Northe	ast		•
O North-c	entral		\sum so	utheast					OTHE	R (Spe	cify):	
	1.		Est. A.		- , (IS	U	·					
SEASO				اڭدە ئىللىلىدىنىلىك 	Jaq.		2 T					
	· · · · · · · · · · · · · · · · · · ·	<u>iRiZONA,</u>	CALIF	A MSSG		Fall			RIS	ANO	CALLFOR	N)A)
Su	nmer (Area_/	ICIZONA,	UHLIF	RNH) []	Winter	r (A	Area_A	<u>UF0</u>	NA ₍	ALIMEN	<u>147)</u>
	÷					٠						
Ø GR	EENHOUSE:	0= Not Te	sted	1=	Not Ada	pted.			2= Ada	pted	PARANONET #4 000Eurotoeth#14444	
I sö	IL TYPE:	I= Minera		4	***************************************		rooppout 04444	14 104 10	******	_	. 4 6 6 6 6 6 7 6 7 6 7 6 7 6 7 6 7 6 7 6	*********
50		1— Muce	ш.	∠=	Organic			3	3= Bot	П		

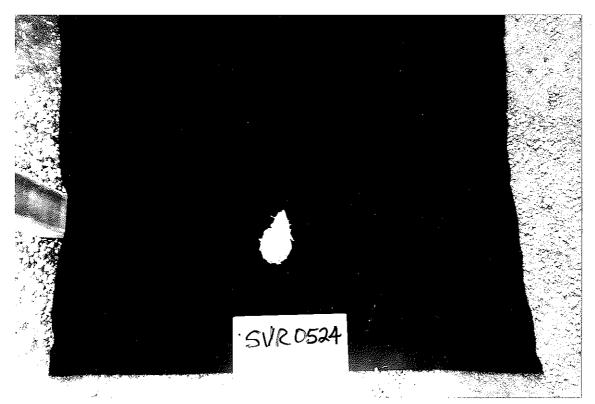
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Exhibit C (Lettuce) Page 7 of 8

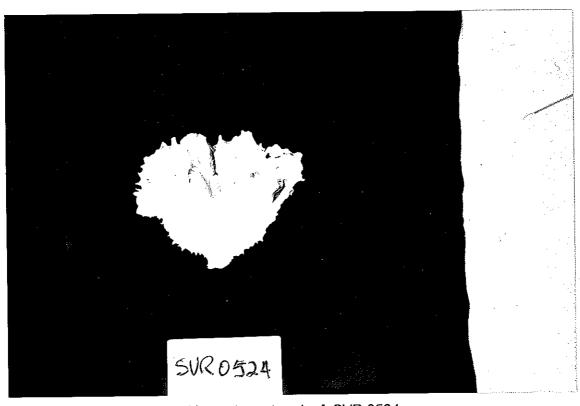
11.	VIRAL DISEASES 1= Immune 3= Resistant 5= Moderatel	v Resist	ant/Moderately Susce	ntible 7= S	Susceptible	9= Highly	/ Susceptible
Ω_{Λ}	and the second s	(a1.)	<u> </u>	(c1.)	,op	(c2.)	1 24.447
nit.		(a1.)	1/7	(c1.)	\vdash	(c2.)	
1, 10	y	(a1.)	 	(c1.)	\vdash	(c2.)	e garant ja t
$a \mathcal{F} $		(a1.)		(c1.)	H	(c2.)	
••		(a1.)		(c1.)	 	(c2.)	
		(a1.)		(c1.)	 	(c2.)	
	•	(a1.)		• •	 	(c2.)	
	OTHER (Specify):	(a1.)	<u></u>	(c1.)	H	(c2.)	
	OTHER (opens).	(a1.)		(c1.)		(62.)	
12.	FUNGAL/BACTERIAL DISEASES 1= Immune 3= Resistant 5= Moderate	ly Resist	tant/Moderately Susce	eptible 7= 8	Susceptible	9= Highl	y Susceptible
	Corky Root Rot	(a1.)		(c1.)		(c2.)	́П ^ · · · · ·
X	(Races:)	` ,	L_41 .			,	LJ
Pri	Downy Mildew	(a1.)	[7]	(c1.)		(c2.)	
, 10	(Races: CXII)				<u></u>	• •	
$\alpha^{(r)}$	Powdery Mildew	(a1.)		(c1.)		(c2.)	<u> </u>
	Sclerotinia Drop	(a1.)		(c1.)		(c2.)	
	Bacterial Soft Rot (Pseudomonas spp. and others)	(a1.)		(c1.)		(c2.)	
	Botrytis (Grey Mold)	(a1.)		(c1.)		(c2.)	
	Verticillium Wilt	(a1.)		(c1.)		(c2.)	
ē	Bacterial Leaf Spot	(a1.)		(c1.)		(c2.)	
	Anthracnose	(a1.)		(c1.)		(c2.	
	OTHER (Specify):	(a1.)		(c1.)	П	(c2.)	
13.	INSECTS 1= Immune 3= Resistant 5= Moderate	alas Danis			Garage Lie	O ITi -1	l-s Consequeible
	Cabbage Loopers	(a1.)	stant/Moderately Susc	epuble /= (c1.)	Susceptible	9= High (c2.)	lly Susceptible
	Root Aphids	(a1.)		(c1.)		(c2.)	
	Green Peach Aphid	(a1.)	Park 1	(c1.)		(c2.)	
	Lettuce Aphid	(a1.)		(c1.)	-	(c2.)	
	Pea Leafminer	(a1.)		(c1.)	 	(c2.)	
	OTHER (Specify):	(a1.)		(c1.)	-	(c2.)	
		(41.)	L. And	(01.)		(02.)	·
14.	PHYSIOLOGICAL STRESSES 1= Immune 3= Resistant 5= Moderat	ely Resi	stant/Moderately Sus	ceptible 7=	Susceptible	9= Higl	nly Susceptible
	Tipburn	(a1.)	5	(c1.)	5	(c2.)	5-44600
	Heat	(a1.)	5	(c1.)	5	(c2.)	1
	Drought	(a1.)	. Line and the second	(c1.)		(c2.)	
	Cold see that the mile are the many	(a1.)	5	(c1.)	5	(c2.)	5
	Salt Salt Salt Salt Salt Salt Salt Salt	(a1.)		(c1.)		(c2.)	
	Brown Rib (Rib Discoloration, Rib Blight)	(a1.)		(c1.)		(c2.)	
	OTHER (Specify):	(a1.)		(c1.)		(c2.)	

	·	 		Exhibit C (Lettuce) Page 8 of 8
15.	POSTHARVEST STRESS 1= Immune 3= Resistant 5=	Moderately Resistant/Moder	ately Susceptible 7= Suscepti	ble 9= Highly Susceptible
	Pink Rib	(a1.)	(c1.)	(c2.)
	Russet Spotting	(a1.)	(c1.)	(c2.)
	Rusty Brown Discoloration	(a1.)	(c1.)	(c2.)
	Internal Rib Necrosis	(a1.)	· · · · · · · · · · · · · · · · · · ·	<u> </u>
	(Blackheart, Grey Rib, Grey Streak)	(a1.)	(c1.)	f (c2.) we with a vector water
	Brown Stain	(a1.)	(c1.)	(c2.)
			` 	
16.	BIOCHEMICAL OR ELECTROPH	ORETIC MARKERS		
				4. (1) 1
		en e	• • • • • • • • • • • • • • • • • • •	e general en en el comment de la comment
		and the second of the second		
		4	•	
		•	-	
17.	COMMENTS			
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	ajner •			en e
	State of the State			and the second
			The second secon	
			-	
		Suggested Che	eck Varieties	
	TYPE	er en	the control of the co	ECK VARIETY
2	Cutting/Leaf Butterhead		Waldmann's Green Dark Green Boston	
3 4	Bibb Cos or Romaine		Bibb Parris Island	
5 6	Great Lakes Group Vanguard Group		Great Lakes 659-700	
7 8	Salinas Group Eastern Group	and the second s	Vanguard Salinas	
9 10	Stem Latin		Ithaca Celtuce	
		200 CET 32 MEC	Little Gem	
D.		REFERI	and the second s	mnersze grant filtra til til til skal
Agi	wring, J.D.C., 1969. "The Identification ricultural Botany 11:499-520. Nationa	on of Varieties of Lettuce (<i>I</i> I Institute of Agricultural B	actuca sativa L.)". Journa otany, Cambridge, UK	of the National Institute of
	vis, R.M., K.V. Subbarao, R.N. Raid, a			s" APS Press St Paul MN
to 1	chelmore, R. W., J. M. Norwood, D. S. match resistance factors 3, 4, 5, 6, 8, 9,	10 and 11 in lettuce (Lactua	ca sativa). Plant Pathology	папсе от чи шенсе ш <i>Беетіа іасіисае</i> 32:176-177.
Not (De	rwood, J. M., R. W. Michelmore, I. R. wny mildew) to match R-factors 1, 2,	Crute and D. S. Ingram, 19	983. "The inheritance of spe	cific virulence of Bremia lactucae
Ro	lenburg, C.M., et al., 1960 "Varieties	of I offuce An Internations	ica sauva)". Flant Patholog	y 32:1/0-1//.
Tui	denburg, C.M., et al., 1960. "Varieties nbouwgewassen (IVT), Wageningen, l	NL	aı ıvıonograph," instituut vo	oor de Verdeling van
Ry	der, E.J., 1999. "Lettuce, Endive and (Chicory". CABI Publication	s, Wallingford, UK	

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Fourth leaf from 20-day old seedlings, SVR 0524



Harvest -mature leaf, SVR-0524

2190 9/2/06

Rhino

REPRODUCE LOCALLY. Include form		all reproductions.	FORM APPROVED - OMB	7110. 000 7 000
U.S. DEPARTMENT OF AGRICULTURAL MARKE		Application is remained in and a to det	hamaina if a ulamboradako ar	
AOI GOOL I OI GAE MAIGH	LING OLIVIOL	Application is required in order to det certificate is to be issued (7 U.S.C. 2		
EXHIBIT	Έ.	confidential until the certificate is issu		" (1 thr)"
STATEMENT OF THE BAS	SIS OF OWNERSHIP			F 9
1. NAME OF APPLICANT(S)		2. TEMPORARY DESIGNATION	3. VARIETY NAME	•
Seminis Vegetable Seeds, Inc.		OR EXPERIMENTAL NUMBER	1 1	
Sommer v agamete Secus, Me.		PS 06510524	KNINO	
4. ADDRESS (Street and No., or R.F.D. No., C	City, State, and ZIP, and Country)	5. TELEPHONE (Include area code)	6. FAX (Include area code)	
2700 Coming del Cal		(905) (47, 1572)	(005) 010 3545	
2700 Camino del Sol Oxnard, CA 93030-7967		(805) 647-1572	(805) 918-2545	
	•	7. PVPO NUMBER		
		200	400251	
			a 490 Alb Detail 490 L	
i. Does the applicant own all rights to	the variety? Mark an "X" in the	he appropriate block. If no, please expla	ain. YES	NO
	*	•		
9. Is the applicant (individual or compa	nny) a U.S. national or a U.S.	based company? If no, give name of c	ountry. YES	■ NO
., .	**		V	
Is the applicant the original owner.	? YES	NO If no, please answer one	of the following:	. • .
	ere numed hy individual(e) lie	(are) the original owner(s) a U.S. Nation	nal(s)?	
a. If the original rights to variety we				
a. If the original rights to variety w	YES	NO If no, give name of coun		
a. If the original rights to variety we				
	YES	NO If no, give name of coun	try	
	yere owned by a company(ies	NO If no, give name of counts, is (are) the original owner(s) a U.S. ba	sed company?	
	YES	NO If no, give name of coun	sed company?	
	yere owned by a company(ies	NO If no, give name of counts, is (are) the original owner(s) a U.S. ba	sed company?	1 - 35 - 14 1 - 45 - 14
b. If the original rights to variety w	vere owned by a company(ies	NO If no, give name of counts, is (are) the original owner(s) a U.S. ba	ised company? ry	eeded):
b. If the original rights to variety w 11. Additional explanation on ownerships	yere owned by a company(ies YES ip (Trace ownership from orig	NO If no, give name of counts), is (are) the original owner(s) a U.S. bath NO If no, give name of counts ainal breeder to current owner. Use the respectively.	ised company? ry reverse for extra space if n	
b. If the original rights to variety w 11. Additional explanation on ownershirm The variety named in this application.	yere owned by a company(ies YES ip (Trace ownership from origon was developed by the Sem	NO If no, give name of counts), is (are) the original owner(s) a U.S. bath NO If no, give name of counts and breeder to current owner. Use the rainis Vegetable Seeds, Inc., employee (b)	ised company? ry reverse for extra space if noreceder) named below. Un	nless
b. If the original rights to variety was a second of the original rights to variety was a second of the original rights to the variety named in this application of the was a stated, all rights to the variety of the original rights to the variety of the original rights to the variety of the original rights to the original rights to the variety was a stated.	yere owned by a company(ies YES ip (Trace ownership from origon was developed by the Senricties developed by Seminis	NO If no, give name of counts), is (are) the original owner(s) a U.S. bath NO If no, give name of counts ainal breeder to current owner. Use the respectively.	nsed company? ry reverse for extra space if not be company by agreement	nless
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